

tempo.

36. (Amended) [The system of claim 32 further comprising:] A system for adjusting cognitive function of a postnatal human comprising:

means for determining a pattern of sonic variations, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo;

means for selecting each of said sequences of tones to be transmitted at a predetermined time during a predetermined period;

means for transmitting each of said sequences of tones in soundwave form to said human during said predetermined period; and

means for positioning a transmission means proximate to a forehead of said human and transmitting said sequence of tones [through the cranial surface to said human] aurally.

37. (Amended) A system for increasing cognitive function of a premature baby comprising:

means for determining a pattern of sonic variations, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo;

means for selecting each of said sequences of tones to be transmitted at a predetermined time; and

means for transmitting each of said sequences of tones in soundwave form to said [fetus] premature baby [during periods within the term of the pregnancy].

42. (Amended) A method for improving cognitive function of a fetus in utero in a woman[;], comprising the steps of:

determining a pattern of sonic variations, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo;

determining an in utero maternal baseline tone, each of said sequence of tones [in said baseline tone] is said in utero maternal baseline tone or a tonal variation from said in utero maternal baseline tone; and

transmitting each of said sequences of tones in soundwave form to said fetus